AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (currently amended) A stent~~, in particular a coronary stent,~~ for a vessel of a human or animal body, comprising:

a tubular body for expansion from a first condition into a second condition in which it holds the vessel in an expanded state, wherein in the first condition, the stent is configured such that a first part of the stent is disposed inwardly relative to a second part of the stent, and wherein the tubular body includes at least a first wall portion comprising a human or animal tissue of adequate elasticity.

2. (previously presented) The stent of claim 1, wherein the first wall portion has a stiffness which is adequate to hold the vessel in the expanded state in the second condition.

3. (previously presented) The stent of claim 1, wherein the first wall portion comprises cartilage tissue.

4. (previously presented) The stent of claim 1, wherein the first wall portion comprises a tissue which is genetically modified to increase compatibility and/or stiffness.

5. (previously presented) The stent of claim 1, wherein the first wall portion comprises a hardenable tissue.

6. (currently amended) The stent of claim 5, wherein at least a portion of the first wall portion is provided ~~in at least a portion wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion wise manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

7. (withdrawn)

8. (currently amended) The stent of claim [[5]] 6, wherein at least the first component of the hardening agent is enclosed in microcapsules which burst open under the effect of pressure.

9-13. (withdrawn)

14. (currently amended) A combination of a catheter and a stent comprising ~~catheter for implanting~~ a stent as set forth in claim 1, and a catheter comprising:

a distal end region ;

a holding device for holding the stent , arranged near the distal end region; and

a sheathing device , also near the distal end region, which is movable relative to the holding device in a longitudinal direction of the catheter for receiving the stent when moving it to an implantation location, characterized in that at least one application device is provided at the sheathing device for applying a medium which is capable of flow to a surface of the stent.

15. (currently amended) The combination of a catheter and a stent of claim 14, wherein the application device further comprises at least one application opening in the sheathing device [[(25)]], which opening is connected to a feed passage for the medium which is capable of flow.

16. (currently amended) A combination of a catheter and a stent comprising ~~catheter for implanting~~ a stent as set forth in claim 1, and a catheter comprising:

a distal end region ;

a holding device for holding the stent , arranged near the distal end region; and

a sheathing device , also near the distal end region, which is movable relative to the holding device in a longitudinal direction of the catheter for receiving the stent when moving it to an implantation location, characterized in that the sheathing device receives the stent which has a layer of adhesive coated on its surface towards the sheathing device ,which has an anti-adhesion coating on its surface toward the coated stent surface.

17. (currently amended) The combination of a catheter and a stent of claim 14, wherein the holding device further comprises a balloon for expansion of the stent into a second condition in which it holds a vessel in a human or animal body in an expanded state.

18. (cancelled)

19-20. (withdrawn)

21. (previously presented) The stent of claim 2, wherein the first wall portion comprises cartilage tissue.

22. (previously presented) The stent of claim 2, wherein the first wall portion comprises a tissue which is genetically modified to increase compatibility and/or stiffness.

23. (previously presented) The stent of claim 3, wherein the first wall portion comprises a tissue which is genetically modified to increase compatibility and/or stiffness.

24. (previously presented) The stent of claim 21, wherein the first wall portion comprises a tissue which is genetically modified to increase compatibility and/or stiffness.

25. (previously presented) The stent of claim 2, wherein the first wall portion comprises a hardenable tissue.

26. (previously presented) The stent of claim 23, wherein the first wall portion comprises a hardenable tissue.

27. (previously presented) The stent of claim 4, wherein the first wall portion comprises a hardenable tissue.

28. (previously presented) The stent of claim 24, wherein the first wall portion comprises a hardenable tissue.

29. (previously presented) The stent of claim 22, wherein the first wall portion comprises a hardenable tissue.

30. (currently amended) The stent of claim 25, wherein at least a portion of the first wall portion is provided ~~in at least a portion wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion wise manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

31. (currently amended) The stent of claim 26, wherein at least a portion of the first wall portion is provided ~~in at least a portion wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion wise manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

32. (currently amended) The stent of claim 27, wherein at least a portion of the first wall portion is provided ~~in at least a portion wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion wise manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

33. (currently amended) The stent of claim 28, wherein at least a portion of the first wall portion is provided ~~in at least a portion wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion wise~~

~~manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

34. (currently amended) The stent of claim 29, wherein at least a portion of the first wall portion is provided ~~in at least a portion-wise manner~~ with at least a first layer which includes at least a first component of a hardening agent or ~~at least in a portion-wise manner~~ at least a portion of the first wall portion contains at least a first component of a hardening agent.

35-40. (withdrawn)

41. (previously presented) The stent of claim 6, wherein at least the first component of the hardening agent is enclosed in microcapsules which burst open under the effect of pressure.

42-50. (withdrawn)

51. (currently amended) The combination of a catheter and a stent of claim 16, wherein the holding device further comprises a balloon for expansion of the stent into a second condition in which it holds a vessel in a human or animal body in an expanded state.

52. (currently amended) The combination of a catheter and a stent of claim 15, wherein the holding device further comprises a balloon for expansion of the stent into a second condition in which it holds a vessel in a human or animal body in an expanded state.